À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-PARK7,DJ-1

proteintech®
Antibodies | ELISA kits | Proteins
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Numéro de catalogue:11681-1-AP Phare 15 Publications

Informations de base

Numéro de catalogue:
11681-1-AP

Taille:
150ul , Concentration: 1200 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG2287

Numéro d'acquisition GenBank:
BC008188

Identification du gène (NCBI):
11315

Nom complet:
Parkinson disease (autosomal recessive, early onset) 7

MW calculé
189 aa, 20 kDa

MW observés:
20 kDa, 25 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:2000
IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
IHC 1:1000-1:4000
IF 1:20-1:200

Applications

Applications testées:
IF, IHC, IP, WB, ELISA

Demandes citées:
IF, IHC, IP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HeLa, cellules HEK-293, cellules Jurkat

IP : cellules HeLa,

IHC : tissu de gliome humain, tissu cérébral de rat, tissu cérébral de souris, tissu de cancer du foie humain, tissu hépatique de rat, tissu rénal de rat, tissu rénal de souris, tissu rénal humain

IF : cellules SH-SY5Y,

Informations générales

PARK7, also named as DJ1, belongs to the peptidase C56 family. It protects cells against oxidative stress and cell death. PARK7 plays a role in regulating expression or stability of the mitochondrial uncoupling proteins SLC25A14 and SLC25A27 in dopaminergic neurons of the substantia nigra pars compacta and attenuates the oxidative stress induced by calcium entry into the neurons via L-type channels during pacemaking. It eliminates hydrogen peroxide and protects cells against hydrogen peroxide-induced cell death. PARK7 has cell-growth promoting activity and transforming activity. It may function as a redox-sensitive chaperone. It's precursor undergoes a cleavage of a C-terminal peptide and subsequent activation of protease activity in response to oxidative stress. The amino acid replace at 166 (L → P) reduces PARK7 protein stability and leads to increased degradation. The predicted MW of this protein is 20 kDa, An additional 25 kDa band can be observed due to modification (PMID: 31767755).

Publications notables

Autrice	Pubmed ID	Journal	Application
Salma Akter	30177848	Nat Chem Biol	WB
Jeng-Yuan Shiau	26557148	Evid Based Complement Alternat Med	WB
Koutarou Nakamura	34014921	PLoS Biol	IF

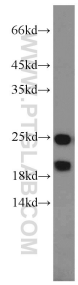
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

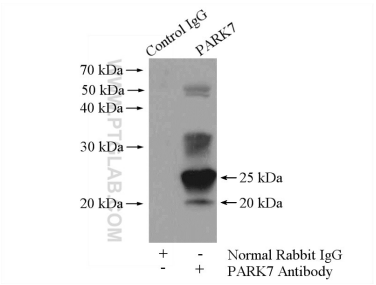
*** Les 20ul contiennent 0,1% de BSA.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

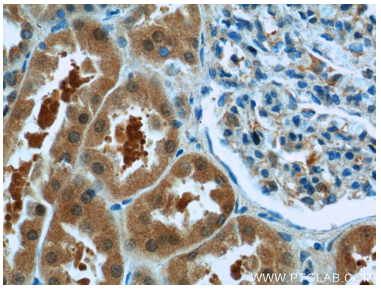
Données de validation sélectionnées



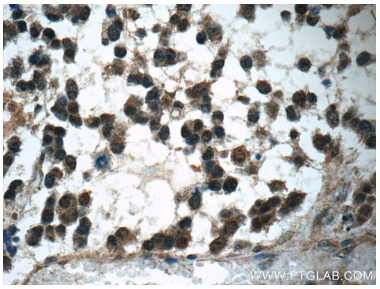
HeLa cells were subjected to SDS PAGE followed by western blot with 11681-1-AP (PARK7,DJ-1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



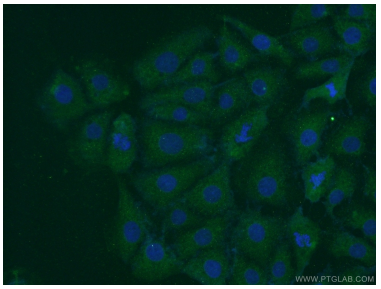
IP Result of anti-PARK7,DJ-1 (IP:11681-1-AP, 4ug; Detection:11681-1-AP 1:1000) with HeLa cells lysate 1200ug.



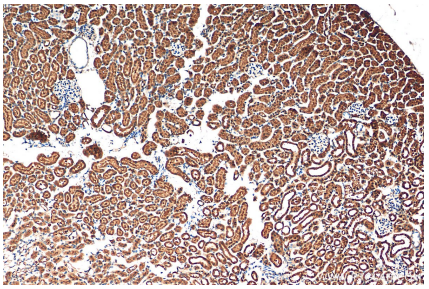
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 11681-1-AP (PARK7,DJ-1 Antibody) at dilution of 1:50 (under 40x lens).



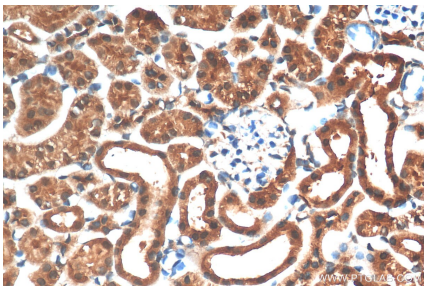
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 11681-1-AP (PARK7,DJ-1 Antibody) at dilution of 1:50 (under 40x lens).



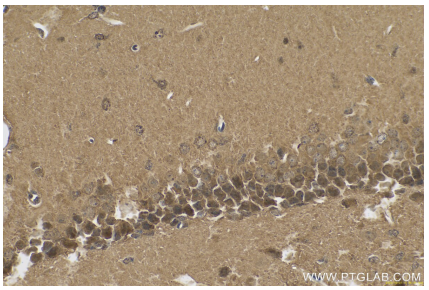
Immunofluorescent analysis of SH-SY5Y cells using 11681-1-AP (PARK7,DJ-1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



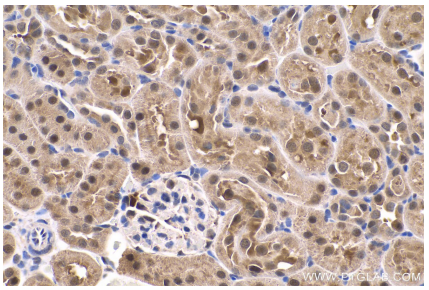
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 11681-1-AP (PARK7,DJ-1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



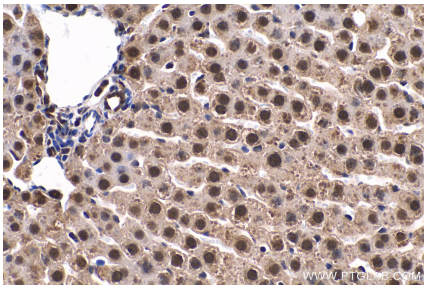
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 11681-1-AP (PARK7,DJ-1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

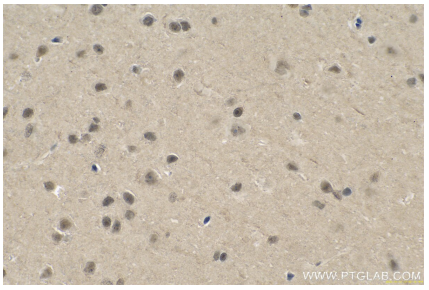


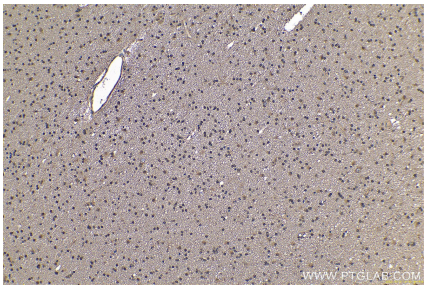
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11681-1-AP (PARK7,DJ-1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



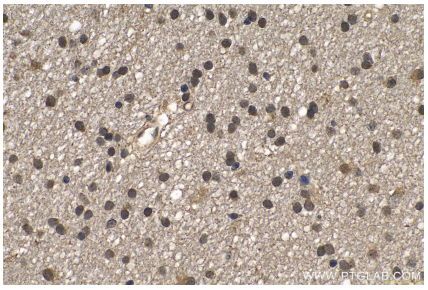
Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 11681-1-AP (PARK7,DJ-1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



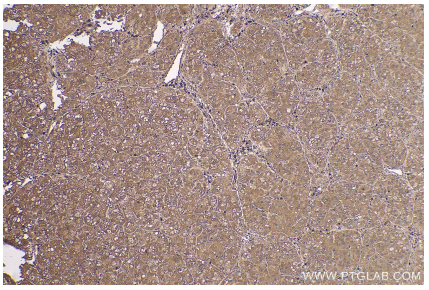




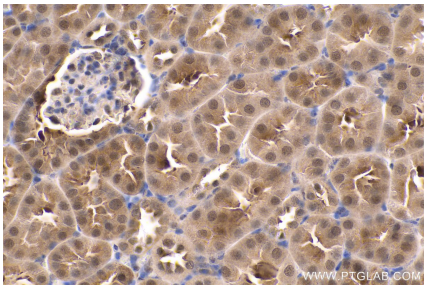
Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 11681-1-AP (PARK7,DJ-1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 11681-1-AP (PARK7,DJ-1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



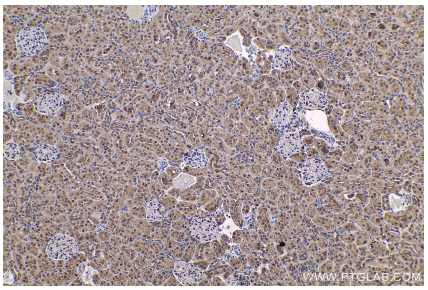
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 11681-1-AP (PARK7,DJ-1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 11681-1-AP (PARK7,DJ-1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 11681-1-AP (PARK7,DJ-1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 11681-1-AP (PARK7,DJ-1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 11681-1-AP (PARK7,DJ-1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).